



Northern Fan Supplies Ltd

Technical Data Sheet

MaXfan Compac



Quotation Number : KP71398
 Project Name : SKYPark
 Item Reference: : **FRESH AIR FAN**

Project Code :
 Customer : Swan
 Date: : Friday, July 29, 2022

Fan Code 31 MaXfan Compac
 Fan Diameter / Size 315 Size / mm
 Fan Speed 2760 rpm
 Velocity 6.4 m/s
 Blade Angle 15°
 Installation Type / Form of Running C / AB (Vertical)
 Fan Casing Long

Requested Duty 0.4m³/s @ 180 Pa (static)
 Actual Duty 0.5m³/s @ 278 Pa (static)
 Outlet Dynamic Pressure 24 Pa

Duty Shaft Power 0.225 kW
 Max Shaft Power 0.260 kW
 Total Efficiency 67.1 %

Motor Frame 80 [Class F]
 Motor Rating 0.900 kW [IE2]
 Full Load Current 3.32 A
 Starting Current 18.7 A
 Motor Mounting Pad
 Electrical Supply 220-240 Volts 50 Hz 1 Phase
 Start Type DOL
 Motor Winding Standard
 Enclosure Standard All

ErP [FMEG] Rating N 46 (ErP Compliant)
 ErP [FMEG] Target N 40
 FMEG Blade Angle [Range] 15° [15° - 15°]
 Measurement Category C (Static)
 VSD N
 Fan + Motor Efficiency 37.6% (0.48 m³/s @ 288 Pa)
 Motor Input Power (ErP) 0.369 kW

SFP value 0.74 W/(l/s) @ Actual Duty
 Power from mains 0.37 kW
 Energy Consumption 1108 kWh (3000 h/year)
 Running Cost / Year £133

Air Density 1.2 kg/m³ / 20 °C / 0 m / 50% RH
 Smoke Venting Non Smoke Venting
 Product Number EJ313266

Performance data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with ISO 5801 and is specifically applicable for Ducted installations. When an electronic controller is incorporated, enhanced motor noise can occur - particularly when the operating speed is well below maximum. FWL therefore recommend using an auto transformer speed controller for noise sensitive applications. Bifurcateds are Erp exempt when used continuously at >100C. They are not for use in the EEA at lower temperatures.

The MaXfan Compac includes a preprogrammed inverter drive to operate via 1 phase supply, offering full speed control and optimised performance.

Acoustic data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with BS 848 Pt 2, 1985 / BS EN ISO 5136 under Ducted conditions. The single figure provided is the overall Inlet sound pressure level at the specified distance, under spherical, free field conditions.

Acoustic figures for adjusted running speeds have been interpolated and are for reference only.

This Offer is made subject to the latest version of our A100-19 Terms and Conditions, a copy of which can be made available on request. Our lead times will be re-confirmed on receipt of manufacturing release and may be subject to change.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	82	81	82	84	81	77	72	67	89	65
Outlet*	83	82	82	85	82	78	73	67	90	66
Breakout*	74	70	66	68	62	54	52	48	77	47

* Lw dB re 10⁻¹² W
 ** dBA re 2x10⁻⁵ Pa
 Sound data at actual duty.

Description	Qty
Fan	
EJ313266 - 31 MaXfan Compac	1
Accessories	
Inverter	1
Thermistors	1

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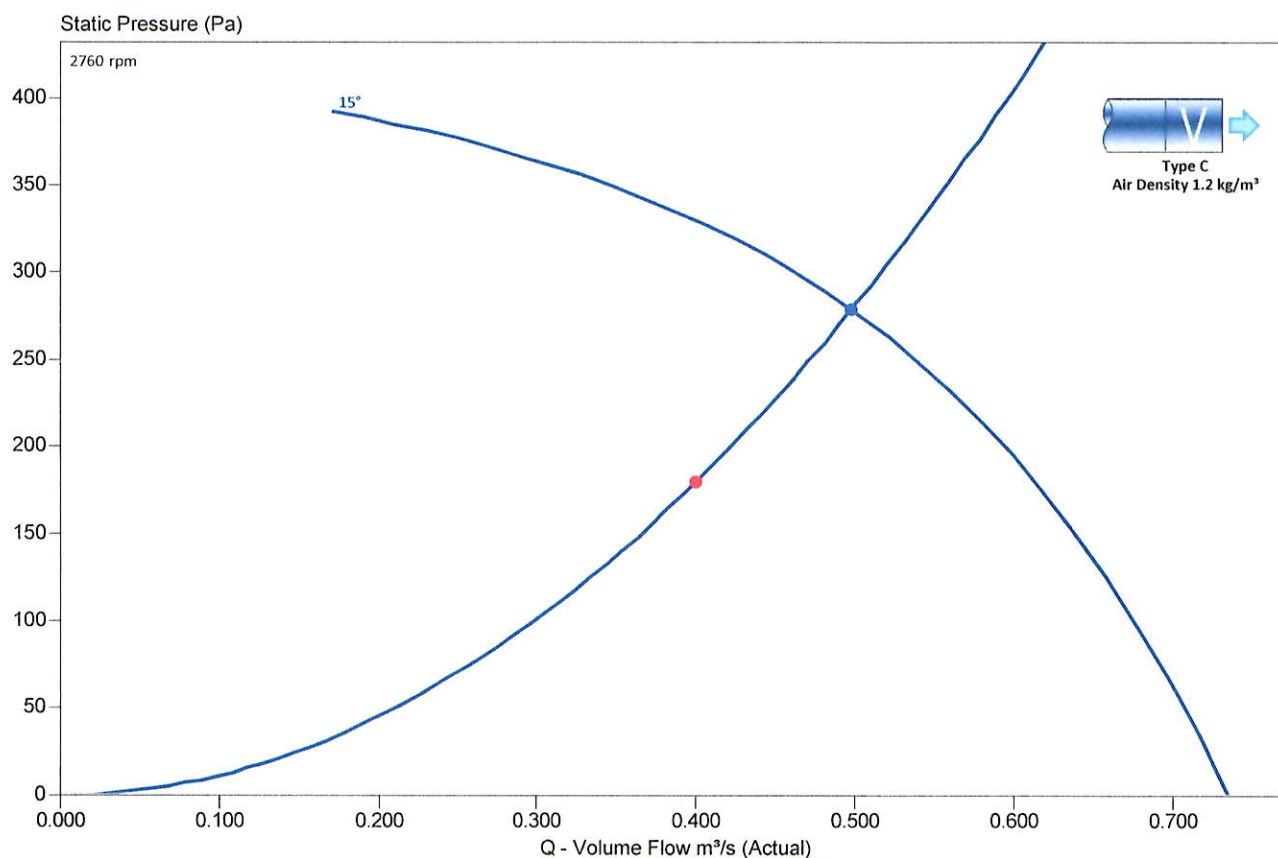
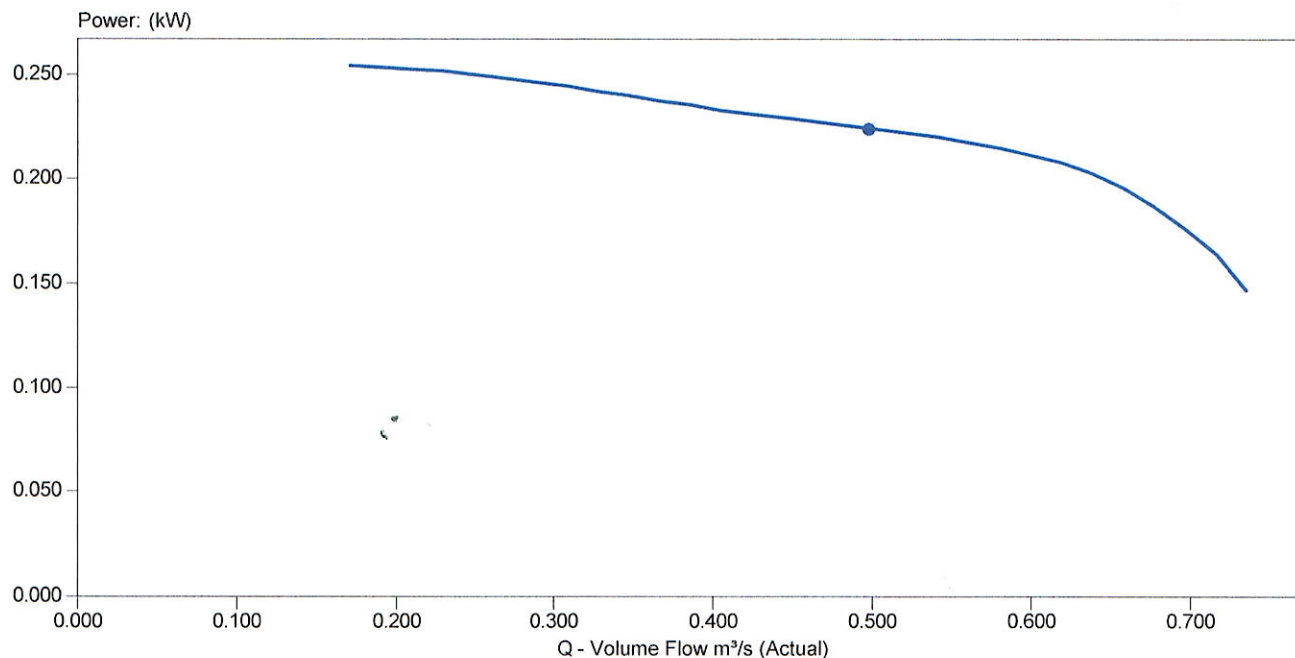
Performance Chart

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Northern Fan Supplies Ltd
Drawing and Dimensions
Maxfan Compac



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Project Name : SKYPark

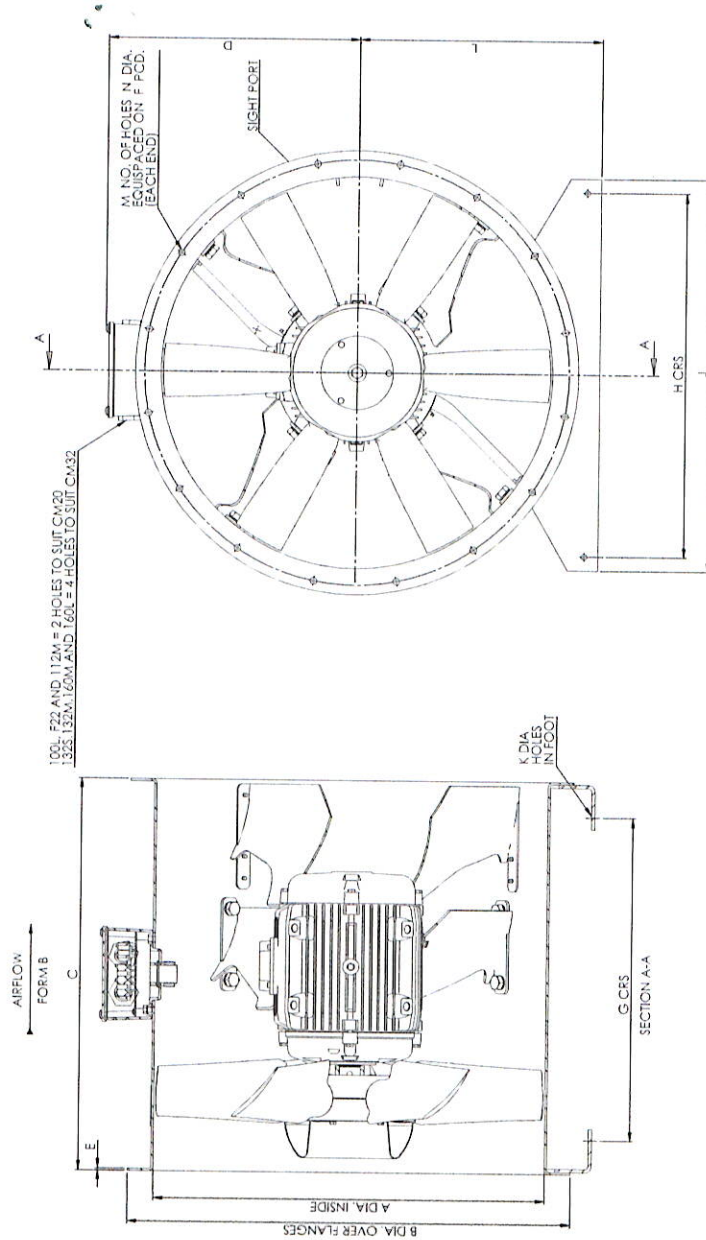
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A	315
B	395
C	375
D	229.5
E	3
F	355
G	285
H	265
J	315
K	10
L	200
M	8
N	10
Weight (kg)	33



Notes : Dimensions shown in mm / Weight in kg

This drawing shows dimensions that should be used as a guide only and are subject to change. Certified drawings are available on request.

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Page 3 of 3

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